

INTERNATIONAL SEARCH REPORT

Int. Application No
PCT/GB2004/004544

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07K14/525 C07K14/47 A61K38/19 A61K38/17 C12Q1/68
A01K67/027 A61K48/00 C12N15/62

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K A61K C12Q A01K C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, Sequence Search, WPI Data, PAJ, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/031586 A2 (HUMAN GENOME SCIENCES INC; BLONDEL, OLIVIER; RUBEN, STEVEN, M) 17 April 2003 (2003-04-17) paragraph '0081! - paragraph '0085! paragraph '0093! - paragraph '0101! example 9 sequence 52 claims 1-22	1-39
X	WO 02/20569 A2 (SCHERING CORPORATION) 14 March 2002 (2002-03-14) the whole document figure 2 sequences 9,11,13,53 ----- -/--	1-49

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

4 February 2005

Date of mailing of the international search report

01/03/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SHAPIRO LAWRENCE ET AL: "The crystal structure of a complement-1q family protein suggests an evolutionary link to tumor necrosis factor" CURRENT BIOLOGY, CURRENT SCIENCE,, GB, vol. 8, no. 6, 12 March 1998 (1998-03-12), pages 335-338, XP002148729 ISSN: 0960-9822 the whole document	1-49
X	----- DATABASE EMBL Human protein. 30 March 2000 (2000-03-30), HARRISON E.: XP002316167 retrieved from EBI accession no. Q5T7M4 Database accession no. AL162741 abstract	1-5,12, 15-17
A	----- KISHORE U ET AL: "CLQ: STRUCTURE, FUNCTION, AND RECEPTORS" IMMUNOPHARMACOLOGY, ELSEVIER SCIENCE PUBLISHERS BV, XX, vol. 49, no. 1/2, August 2000 (2000-08), pages 159-170, XP001078864 ISSN: 0162-3109 the whole document -----	1-39

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 18, 20-22

Present claims 18 and 20-22 relate to an extremely large number of possible compounds. In fact, the claims contain so many options that a lack of clarity (and conciseness) within the meaning of Article 6 PCT arises to such an extent as to render a meaningful search of the claims impossible. Consequently, the search has been carried out for those parts of the application which do appear to be clear (and concise), namely antibodies or antisense RNAs.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 18, 20-22
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 03031586	A2	17-04-2003	US	2003224425 A1		04-12-2003
WO 0220569	A2	14-03-2002	AU	9454101 A		22-03-2002
			CA	2419979 A1		14-03-2002
			CN	1452633 T		29-10-2003
			EP	1315743 A2		04-06-2003
			JP	2004509617 T		02-04-2004
			MX	PA03002049 A		24-07-2003
			US	2002142292 A1		03-10-2002

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Box No. 1 Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:
- a. type of material
- ☒ a sequence listing
- ☐ table(s) related to the sequence listing
- b. format of material
- ☒ in written format
- ☒ in computer readable form
- c. time of filing/furnishing
- ☐ contained in the international application as filed
- ☐ filed together with the international application in computer readable form
- ☒ furnished subsequently to this Authority for the purpose of search
2. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments: